

Customer No.: 31561
Application No.: 10/604,981
Docket NO.: 9892-US-PA

AMENDMENT

In The Claims:

Claim 1. (previously presented) A pixel structure formed on a transparent substrate, comprising:

a first conductive layer formed on a transparent substrate, wherein the first conductive layer comprises a scan line and a gate, the gate and the scan line being electrically connected together;

a first dielectric layer formed on the transparent substrate covering the first conductive layer;

a channel layer formed over the first dielectric layer above the gate;

a second conductive layer formed over the first dielectric layer, wherein the second conductive layer comprises a data line, a source and a drain such that the gate, the channel layer, the source and the drain together constitute a thin film transistor, and the data line in the area above the scan line branches out into a plurality of subsidiary lines, wherein one of the subsidiary lines short-circuited is cut;

a second dielectric layer formed on the first dielectric layer covering the second conductive layer, wherein a pair of repair openings is formed in the second dielectric layer to expose the cut subsidiary line;

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a pixel electrode formed over the second dielectric layer, wherein one of the source and the drain is electrically connected to the data line and the other of the source and the drain, not connected to the data line, is electrically connected to the pixel electrode; and

a thin metallic layer formed on the second dielectric layer between the repair openings and inside the repair openings so that the thin metallic layer is electrically connected to the data line.

Claim 2. (reinstated) The pixel structure of claim 1, wherein the width of the scan line in the area underneath the data line is smaller than the width of the scan line in other areas.

Claim 3. (original) The pixel structure of claim 1, wherein the second dielectric layer furthermore comprises a contact opening such that the pixel electrode and the source/drain are electrically connected through a contact inside the contact opening.

Claim 4. (original) The pixel structure of claim 1, wherein material constituting the pixel electrode is selected from a group consisting of indium-tin oxide and indium-zinc oxide.

Claims 5-14 (canceled)